

This assignment is due in class on Thursday, January 24.

1. Using induction, show that any length other than 2, 3, and 6 is possible for a wff. (Don't worry about 2, 3, and 6.)
2. p. 27, #3
3. p. 27, #6
4. p. 28, #8
5. Prove that every wff containing no sentence symbols except A_1 is a tautology, a contradiction, equivalent to A_1 , or equivalent to $\neg A_1$.